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DOI:
[10.33612/diss.119647288](https://doi.org/10.33612/diss.119647288)

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Document Version
Publisher's PDF, also known as Version of record

Publication date:
2020

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):
de Jong, M. (2020). *Targeting WEE1 in diffuse large B-cell lymphoma: mediator in DNA damage and apoptosis*. [Thesis fully internal (DIV), University of Groningen]. Rijksuniversiteit Groningen.
<https://doi.org/10.33612/diss.119647288>

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Targeting WEE1 in diffuse large B-cell lymphoma: mediator in DNA damage and apoptosis

Mathilde de Jong

1. Gene expression profiling combined with guilt-by-association analysis is a useful tool to find novel targets for targeted therapy. *(this dissertation, chapter 2)*
2. Although subclassification of DLBCL is a useful tool to predict prognosis, it has not changed therapeutic strategies nor improved therapy outcome for DLBCL patients. *(this dissertation)*
3. DNA damage is an important contributor to cancer development/pathogenesis, especially for DLBCL. *(this dissertation)*
4. WEE1 inhibitors should be combined with R-CHOP to improve first line treatment outcome in DLBCL patients *(this dissertation, chapter 3)*
5. Cisplatin treatment alters DNA methylation marks and gene expression and thereby alters therapy response in DLBCL patients. *(this dissertation, chapter 4)*
6. CDK inhibitors inhibit the effectiveness of DNA damage-inducing compounds and should therefore be used with caution in combination with DNA-damage inducing therapies. *(this dissertation, chapter 5)*
7. Functional BH3 profiling is a useful tool to determine anti-apoptotic dependency and to guide tailored therapy. *(this dissertation, chapter 6)*
8. Besides BCL-2, also MCL-1 and BCL-XL are potent therapeutic targets for treatment with anti-apoptotic inhibitors in DLBCL patients. *(this dissertation, chapter 7)*
9. All cancers are alike, but they are alike in a unique way. *(Siddhartha Mukherjee, The Emperor of All Maladies: A Biography of Cancer)*
10. Nothing surprises me: I am a scientist. *(Indiana Jones, The Temple of Doom)*
11. The beauty of the brain is that you can still be as greedy as you like for knowledge and it doesn't show. *(Stephen Fry)*